

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/31/2025

QC BATCH ID: LB137730

BOD Water: WP115395

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115397

GGA: WP115396

Chlorine Strips: W3155

pH Strips: W3241

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3248

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP115341

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.7	19.2	9.5	9.5

Meter Calibration1: 9.02

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 745 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.58

After Incubation

Meter Calibration2: 8.58

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB137730

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:10

TIME OUT: 10:30

DATE IN: 10/31/2025

DATE OUT: 11/05/2025

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB137730BL	1	No	6.78	N/A	20.90	300	9.58	9.56	0.02	0.02	0.02	
POLYSEED	1					10	9.50	6.21	3.29	0.66	0.65	
POLYSEED	2					15	9.47	4.57	4.9	0.65		
POLYSEED	3					20	9.42	3.09	6.33	0.63		
GGA	1					6	9.47	5.02	4.45	190	197.33	
GGA	2					6	9.47	4.95	4.52	193.5		
GGA	3					6	9.45	4.63	4.82	208.5		
Q3493-02	1	No	11.32	7.29	20.20	5	9.50	1.05	8.45	4680	4680	pH Adjusted
Q3493-02	2					10	9.44	0.15	-	0		
Q3493-02	3					20	9.38	0.14	-	0		
Q3493-02	4					30	9.35	0.09	-	0		
Q3493-02DUP	1	No	11.32	7.29	20.20	5	9.49	1.02	8.47	4692	4692	pH Adjusted
Q3493-02DUP	2					10	9.45	0.17	-	0		
Q3493-02DUP	3					20	9.39	0.15	-	0		
Q3493-02DUP	4					30	9.33	0.07	-	0		
Q3509-01	1	No	6.71	N/A	20.00	5	9.49	8.64	-	0	3.1	
Q3509-01	2					20	9.45	7.81	-	0		
Q3509-01	3					50	9.43	7.58	-	0		
Q3509-01	4					150	9.40	7.20	2.2	3.1		
Q3509-03	1	No	6.84	N/A	20.00	5	9.52	7.57	-	0	26.55	
Q3509-03	2					20	9.48	6.87	2.61	29.4		
Q3509-03	3					50	9.44	4.84	4.6	23.7		
Q3509-03	4					150	9.42	0.26	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

6137730

WorkList Name : bod5-10-31

WorkList ID : 192814

Department : Wet-Chemistry

Date : 10-31-2025 08:27:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3493-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	J32	10/29/2025	SM5210 B
Q3509-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	D41	10/31/2025	SM5210 B
Q3509-03	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	D41	10/31/2025	SM5210 B

Date/Time 10/31/2025 13:50
 Raw Sample Received by: RH(wcs)
 Raw Sample Relinquished by: JH(CA)

Date/Time 10/31/2025 15:15
 Raw Sample Received by: JH(CA)
 Raw Sample Relinquished by: JH(wcs)